

PATENT

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ABSTRACT

The invention relates to glass reinforcement strands, the composition of which comprises the following constituents in the limits defined below, expressed as percentages by weight: 58 to 63% SiO_2 ; 10 to 16% Al_2O_3 ; 16 to 23% CaO ; 0.5 to 3.5% MgO ; 0 to 2% $\text{Na}_2\text{O} + \text{K}_2\text{O} + \text{Li}_2\text{O}$; 1 to 1.5% TiO_2 ; 0 to 1.5% B_2O_3 ; 0 to 0.4% Li_2O ; 0 to 0.4% ZnO ; 0 to 1% MnO ; and 0 to 0.5% F. These strands have improved properties in terms of mechanical strength, acid resistance and high-temperature resistance for a low-cost composition. The invention also relates to a process for producing the said strands and to the composition allowing them to be produced.